

MATH 182 Calculus II

Wintermester 2019

Number of Credits

4

Instructor

Paige Hernandez

Catalog Description

Methods of integration. Sequences and series, power series.

Required Textbooks/Materials

The following texts are required material in this course:

Access to Webassign (homework website) is required. Stewart, Calculus: ET, 8e (hard copy not required) is available on Webassign.

Student Learning Outcomes

Upon successfully completing this course, students will be able to

- evaluate definite and indefinite integrals using various techniques of integration: e.g. substitution, integration by parts and partial fractions;
- apply integration to compute arc-lengths, areas, and volumes of revolution; and
- test infinite series for convergence; represent functions using power series.

First Week of Materials/Assignments

The following schedule is subject to change:

January 2: Sections 5.1-5.5

January 3: Sections 6.1 and 6.2

January 4: Section 6.3

January 7: Section 8.1 and 8.3

Course Details

Homework will be assigned each class and will be due by midnight of the next class meeting. No late homework will be allowed or accepted. There will also be a series of 10 quizzes, which are based on the homework assignments. These quizzes will be given every class at the beginning of class, with the exception of test days, and will cover the material taught the day before thus is on the homework due by midnight that night. No calculators allowed.

Grade Breakdown

The point distribution for the course is:

Assignment	Percentage
Homework	15
Quizzes (10)	10
Test 1	25
Test 2	25
Final	25
<i>Total</i>	<i>100</i>

The percentage distribution for the course is:

Letter	Percentage
A	90–100
B	80–89
C	70–79
D	60–69
F	below 60